DOCUMENT RESUME

ED 075 190 SE 015 392

AUTHOR	Jackson, William B., Comp; DuShane, Judith Cook, Comp.
TITLE	A Collection of Resources for the Environmentally Concerned Educator.
INSTITUTION	Bowling Green State Univ., Ohio. Environmental Studies Center.
PUB DATE	72
NOTE	39p.
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	Audiovisual Aids; *Bibliographies; *Educational Resources; *Environmental Education; Health Education; Information Sources; *Instructional Materials; *Reference Materials

ABSTRACT

This booklet is a mimeographed listing of information and resources in environmental education. It is intended to be a tool for almost anyone with a general or specific interest in this subject. The foreword contains a rationale for environmental education which includes the U.S. Office of Education's basic characteristics of good environmental education; objectives; curriculum components; and a rationale statement by William R. Eblen, taken from his book by the same name, on "Total Education in the Total Environment" (ED 059 882). Organized in two parts, Part I concerns "Information" and includes the areas of Environmental Education (general); Environmental Overview; and Special Areas of Environmental Concern. Within these areas, attention is given to such topics as Background (History, Philosophy, etc.); Curriculum materials, instructional programs, etc.; General References; Periodicals and Publications, etc.; and air, economics, ethics, government, people, values, etc. Part II, "Resources," attends to Groups, Agencies, Organizations; Audio-visuals and media; compiled Resource Lists (bibliographies, film lists, etc.); Games; Sample Activities; Glossary; and Credits. (LK)

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A COLLECTION OF RESOURCES

for the

ENVIRONMENTALLY CONCERNED EDUCATOR

Compiled by:

The Environmental Studies Center
Bowling Green State University

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Director

Judith Cook DuShane
Research Associate
Environmental Education

SE 015 392

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Introduction

This is an uncommon collection of resources sometimes called a bibliography, but we hope it will be much more than that. It is a tool for teaching and learning about the environment and more specifically environmental education.

It is open-ended and ever changing, never complete, and we hope helpful. You can use it to learn about environmental education, to start an environmental action program, to spend extra money, or to not spend any money in creating an environmental concern in your particular situation. Our main hope for this "grouping" or resources is that it will be useful to you.

If you wish you can put the pages in a loose-leaf notebook and add resources of your own. If there are questions concerning the materials contact the Environmental Studies Center at BGSU.

Judy DuShane
Research Associate - Environmental
Education

NOTE: In some sections library call numbers accompany the reference. This indicates that the work is currently available in the BGSU library. Also, some references will have the initials ESC preceding them. This indicates the work is on file at the Environmental Studies Center. However, because a reference is not so annotated does not necessarily mean it is not available.

Also, some works may have a * ; this notes my familiarity with that particular work as a good reference for the purpose indicated. This serves only as a guide to those who wish introductory material and in no way reflects on the quality of the other references.

FOREWORD

Because of the complexity and scope of environmental concern, the development of environmental education has emerged as an area of high priority. Environmental education is a process that implies many new techniques and ways to impart not only knowledge but also to motivate students to become involved in critical thinking, problem-solving, and human interactions for the preservation and betterment of our quality of life.

The U. S. Office of Education offers the following rationale for the necessity of Environmental Education:

Rationale:

Because it deals with knowledge and understanding of the "total human environment," environmental education is, or should be, synonymous with "education." But it is education for a purpose, based on the actual needs of society and the individuals of which it is comprised. The environmental education process then is dynamic - it changes as the needs of people change. It cannot be confined to a single discipline, grade level, age group, or segment of the population.

The USOE has also developed a consensus of the basic characteristics of good environmental education. These include:

1. a multidisciplinary approach, with an emphasis on the interrelationships of man and nature;

2. a focus on contemporary problems relating to the urban and rural environment---man-made and natural;

3. incorporation of nonformal as well as formal education processes and utilization of resources outside the classroom;

4. development of understanding and attitudes as well as information;

5. involvement of all age groups; and

6. a participant-centered design, involving each learner/participant in choosing priorities both as to the issues to be studied and the solutions that seem most appropriate. This design allows the participant to learn "how to learn" about new situations, how to weigh alternatives, and how to test solutions.

Many states are requesting that their teachers gain background in this relevant, burgeoning field and some already are requiring at least some credentials in environmental education. Whether you are involved, planning an entire curriculum program, teaching a single unit or topic, or simply interested in environmental education, the purpose of this listing is to give you resources you can use. To begin understanding and implementing this important field in actual practice one should be cognizant of the "cradle to the grave" implications of environmental education across the gamut

of total human environment. To better focus on this commitment the following objectives and components are listed:

Objectives:

Cognitive: basic understanding of abiotic, biotic and cultural interrelationships in the environment and problems concerning these relationships.

Affective: to develop an awareness and a strong feeling of concern for the quality of the environment and a motivation to help solve these problems.

Skill-behavior: to help individuals develop critical thinking and action skills necessary for them to help prevent and solve environmental problems.

Components:

Curriculum-spanning (K-12), multidisciplinary, focus on local environment, contemporary issues, using a problem-solving approach. Learner-centered, focus on value clarification, attitude formation, skill-behavior development (critical thinking, problem-solving, human interactions, social change strategy). Provide a global orientation (spaceship earth philosophy), and focus on future of humankind.

Whatever your particular favorite definition of environmental education might be we feel the following might be of interest and provide some valuable concepts. This rationale for "Total Education in the Total Environment" is taken from a book of the same name by William R. Eblen:

> We know that man is interrelated with, and interdependent on, the physical and biological processes, and that everything in the total environment is connected.
>
> Modern man has failed to appreciate this connectedness. His goals have become dissonant with Nature's. His technological achievements threaten to imbalance the physical and biological systems beyond repair. Now we are hastening to understand how man has allowed this to happen and how we can put it right.
>
> The puzzle has many parts, but its solution is basically simple. The biologist looks at a falling leaf as the inevitable result of the formation of the abscission layer at the base of the petiole; the economist looks at it as one more leaf to rake; the historian, as an event likely to recur; the artist, as a symbol of death and rebirth. We've been examining each fragment separately and we have failed to see the dynamic process, the whole design.
>
> In addition, while we've been seeing only fragments, our actions have been affecting the whole. Poverty and prejudice, polarization and conflict are as much a part of our total environment as pollution and population. We have a world here and now with which to deal, yesterday from which to learn, and tomorrow to guide. Will we be prepared to make the choices that will lead

toward an enriched total environment, rather than one torn by violence and fouled through ignorance?

Total Education in the Total Environment confronts this question. It enjoins education to waken man's awareness of the physical, biotic, and cultural interactions which make and remake his total environment. It calls for multidisciplinary sharing, community involvement, relevance, and a teaching process that fosters a willingness to examine and appreciate divergent viewpoints.

So, armed with the expertise of your trade, the volume of experiences you've had in your environment, and the many resources of your school and community we send you out to literally "save the world," for by proper use of these resources, concern, communication, and cooperation among human kind we can have a better world for all.

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a) general references
b) publications and periodicals
c) Miscellaneous (reports, reprints, newsletters)

2. Curriculum materials, instructional programs, etc. (Please see also Part II. - resources)

a) K-12
b) institutions of higher learning - environmental education programs
c) general materials (for instruction, curriculum development, educational research, and theory.)

B. Environmental Overview

1. General References

2. Periodicals and Publications

3. Miscellaneous (Reports, Reprints and specific periodical references)

C. Special Areas of Environmental Concern

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2. Arts (and environment)
3. Careers
4. Communications (& mass media)
5. Economics
6. Ecosystem
7. Energy
8. Ethics
9. Government
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10. Humanities
11. Industry
12. Land
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   b) conservation
   c) geography and geology
   d) natural resources
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   c) employment
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   e) housing
18. Population
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20. Sociology (and social change)
21. Transportation
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Contents, Part II. - Resources

A. Groups, Agencies, Organizations
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B. Audio-visuals and media

C. Compiled Resource Lists (Bibliographies, film lists, etc.)

D. Games

E. Sample Activities

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PART I. - INFORMATION

Section A - Environmental Education (General)

1. Background (History, Philosophy, etc.)

   a) general references
   b) periodicals and publications
   c) miscellaneous (reports, reprints, newsletters)

2. Curriculum materials - Instructional programs

   a) K-12 materials (on file at ESC)
   b) higher education programs
   c) miscellaneous other materials (curriculum development, educational research, instruction, modules)

a) General References. (See also section A, 2-a).)

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Brembeck, C.S. 1971.
Social Foundations of Education; Environmental Influences in Teaching and Learning (by Cole.
S. Brembeck, New York, Wiley. 1971.

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C33c
Carvajal, J., and M.E. Munzer. 1968.
Conservation Education.
Danville, Ill., Interstate Printers & Publishers.

* Griffith, C . J., E. Landin, and K. Jostad. 1971.
Environmental Practice - the New Conservation.
Izaak Walton League of America, Virginia. $1.25.

Gross, Ronald, and Beatrice Gross (ed.). 1969.
Radical School Reform.
A Clarion Book, New York.

Herndon, James. 1971.
How to Survive in Your Native Land.
New York, Simon and Schuster,

Herndon, James. 1968.
The Way it Spozed to be.
Bantam Books, New York. 95¢.

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Hill, W. 1969.
Environmental Education.
National Wildlife Federation, Washington, D.C.

Kohl, Herbert R. 1969.
The Open Classroom, A Practical Guide to a New Way of Teaching.
Vintage Books, New York. $1.65.

E.S.C.* McInnis, Noel.
You are an Environment: Teaching/Learning Environmental Attitudes.
Evanston, Illinois, The Center for Curriculum Design, $2.00.

An excellent book for an overview of the concept of environmental education.

Nyquist, E., and H. Gik, ed. 1972.
Open Education, A Sourcebook for Parents and Teachers.
A Bantam Book, New York. 1972. $1.95.

Excellent collection of articles concerning the open education concept.

Postman, N., and C. Weingartner. 1969.
Teaching as a Subversive Activity.
Dell Publishing Co., Inc., New York, $2.25.

* Wurman, Saul R. (ed.) 1972.
Yellow Pages of Learning Resources.
Cambridge, MIT Press. $3.95.

378 1543 P91e — Pratt, Arden L. 1971.
Environmental Education in the Community College.
Washington, American Association of Junior Colleges.

J 628.5 P66c — Pringle, L. 1969.
The Only Earth We Have.
New York, Macmillan.

Examines the causes of pollution in air, water, and soil and their long-range effect upon human and animal life.

* Terry, Mark. 1971.
574.5071 T32t — Teaching for Survival.
New York, Ballantine Books. Foreword by Garrett Hardin.

CL 370.19348 T64s — Toffler, Alvin (ed.). 1968.
The Schoolhouse in the City.
New York, published in cooperation with Educational Facilities Laboratories by Praeger. Intro. by Alvin Toffler.

Includes seventeen papers freely adapted from transcripts of speeches originally presented at a conference held at Stanford University, July 10-14, 1967, with four contributions not offered at the conference.

ECO/ML 301.31 E612 — Environment and the Schools; Pioneer Programs set a Pace for States and Districts.
Washington, National School Public Relations Association. 1971.

Stapp, William B. 1972.
An Environmental Education Program, K-12, Based on Environmental Encounters.
Environment and Behavior.
In press.

*Stapp, William B.
E.S.C. — An Instructional Program Approach to Environmental Education (K-12) Based on an Action Model.
Unpublished, or write to Dr. Wm. B. Stapp, Environmental Education Program, 430 E. University St., Ann Arbor, Mich. 48104.

Stapp, William B., et al. 1969.
The concept of environmental education.
The Journal of Environmental Education 1(1).

Stapp, William B. 1965.
Integrating Conservation and Outdoor Education into the Curriculum.
Minneapolis, Burgess Publishing Company.

* Van Matre, Steve.
Acclimatization - A Sensory Approach to Ecological Involvement.
Towering Pines, Eagle River, Wisc. Aug. 1970.

b) Periodicals and Publications relevant to Environmental Education

Periodicals: (special issue)

E.S.C. COMPACT, "Environmental Education," 5(3). June 1971.

MAN/SOCIETY/TECHNOLOGY, A Journal of Industrial Arts Education, Feb. 1971

Saturday Review now is published in 4 parts each month: ARTS, EDUCATION, SCIENCE, and SOCIETY. These magazines give some excellent insights into general areas of concern.

The Aug. 19, 1972, issue of Saturday Review's EDUCATION is particularly good with a selection of relevant articles including: "The Way we Learn in America Today" by Michael Bremer, "ABC's of City Learning" by John Bremer, and "Innovation is Tradition in West Harlem" by Henry S. Resnik.

SCHOLASTIC TEACHER, Oct. 1971.
Supplement to Teacher's Edition: "Survival Guide to Environmental Education" - many useful ideas.

Publications:

AMERICAN SCHOOL AND UNIVERSITY, 757 Third Ave., N.Y.10017.
$1.00 monthly for school and college administrators. Specializes in school plant and instructional equipment; elementary to college.

AMERICAN TEACHER, 1012 14th St., N.W., Washington, D.C. 20005.
Issued monthly except July and August for members American Federation of Teachers AFL-CIO, school administrators, etc. Basic concern the teacher union momement, better schools and educational methods, legislation concerning teachers, etc. 25¢ copy.

EDUCATIONAL TECHNOLOGY, P.O. Box 508, Saddle Brook, N.J. 07662.
Articles on technological developments in the classroom, new advances in the field, research activities, articles dealing with application of scientific principles to teaching and computers, teaching machines, programmed instruction, films, educational TV.

ELEMENTARY SCHOOL JOURNAL, Judd Hall, Univ. of Chicago, 5835 Kimbark Ave. Chicago, Ill. 60637.
$6.00 yr. Oct. - May. Published articles and editorials on elementary school problems, including reports of research on classroom procedure, evaluation of teaching, supervision, school administration, the place of the school in a changing society, child development, the curriculum, the preparation of teachers and subjects of current interest to administrators and students of education.

ELEMENTARY TEACHER'S IDEAS AND MATERIALS WORKSHOP, 1654 Fairorchard Ave., San Jose, Cal. 95125.
Monthly, $9.50 a year. Articles about teaching strategies.

GRADE TEACHER, Teachers Publishing Corp., 23 Leroy Ave., Darien, Conn.
Monthly except July and Aug. 85¢ copy. K through Jr. High. Articles of current educational interest; accounts of actual uses of new teaching techniques; classroom-tested units of work.

THE INSTRUCTOR, F. A. Owen Publishing Co., Instructor Park, Dansville, N.Y.
Monthly except July & Aug. 85¢ copy; $7.00 year. Articles on successful activities carried on in Elementary schools; teaching techniques and special elementary school studies.

JOURNAL OF ENVIRONMENTAL EDUCATION, Dembar Educational Research Services, Inc., Box 1605, Madison, Wisc. $10.00 year.

NEA JOURNAL, National Education Association, 1201 16th St., N.W., Washington, D.C. 20036.
80¢ monthly Sept. through May, for teachers and admin. Circulation 1,500,000. Articles on teaching methods and practices; human interest, written in popular style.

SCHOLASTIC TEACHER, 50 W. 44th St., New York, N.Y. 10036.
25¢ copy (school yr). Articles by teachers covering methods in teaching. Audience mostly English, Social Studies, elementary school teachers. No articles attacking or defending the current status of U.S. education. Articles about experimental programs, unusual teacher travel, and curriculum.

SCHOOL AND SOCIETY, 1860 Broadway, N.Y. 10023.
Biweekly (Oct.-May). Readers are professors and administrators of nation's major schools and colleges. Articles concerning all phases of college and university activities, administration, teaching, curriculum, financing, controversies, trends and developments, profiles of educators, etc.

THE SCIENCE TEACHER, 1201 16th St., N.W., Washington, D.C. 20036.
$1.00 copy. Monthly Sept. through May. For science teachers and teacher-educators.

c) Miscellaneous (Reports, Reprints, Newsletters).

- ECOLOG
  Newsletter of the Minnesota Environmental Sciences Foundation, Inc.
  (see description in Curriculum Materials Section).
  Address: 5400 Glenwood Ave.
  Golden Valley, Minn. 55422

- RESEARCH NEWS July 1972.
  University of Mich.
  Environmental Education was the topic of this issue. For reprints write:
  Research News
  Office of Research Administration
  University of Mich.
  Ann Arbor, Mich. 48104

- SENSORSHEET.
  This is an excellent newsletter (free) produced by the "Boulder" group with innovative ideas and suggestions. (See Curriculum Materials Section for more information on this group). Write:
  Sensorsheet
  Box 1559
  Boulder, Colo. 80302

- The Ohio Department of Natural Resources has developed a packet of materials for the environmental educator. Contact:
  Ms. Donna Szuhy
  Environmental Education Coordinator
  Dept. of Natural Resources
  Columbus, Ohio 43216

- "Program and Abstracts of National Symposium on Methods of Learning Environmental Science," Nov. 4, 1972: conference organized by Dr. Musa Qutub. Report.

A. Environmental Education (General)

2. Curriculum Materials - Instructional Programs.
(Please see also Part II. - Resources)

a) K-12 Materials described in this section are on file at the Environmental Studies Center for your perusal.

b) Institutions of higher learning - environmental education programs.

c) materials for instruction, curriculum development, and educational research and theory are included in this section.

a) K-12 materials on file at ESC.

AEP Unit Books

American Education Publications
Education Center
Columbus, Ohio 43216

Publishes social studies and science unit books, e.g., Ecology, Man Explores Life, Our Polluted World, Science in City and Suburb which are inexpensive and useful for in-classroom information.

* * * * * * *

The Center for Curriculum Design
P.O. Box 350
Evanston, Ill. 60204

The Center is concerned with communicating whole-earth perspectives on the human/environmental condition, and with developing alternatives in and to the school experience.

Publications: You are an Environment, Teaching/Learning Environmental Attitudes, Evanston, Ill. $2.00. An excellent inexpensive book describing an overview of the concept of environmental education.

Somewhere else: A Living-Learning Catalog. Chicago, Swallow Press, 1972. $3.00. A directory for non-school experiences.

What Makes Education Environmental? In press - due late 1972. Elaborates on many of the concepts presented in You are an Environment.

* * * * * * * *

C.D.E.C

The Center for the Development of Environmental Curriculum
Willoughby, Ohio

CDEC originally was funded through Title III, ESEA and is presently involved in developing materials for use in Ohio's Environmental Education program. They are implementing K-6 objectives currently and are working on Curriculum Materials and a Catalog of Environmental Learning. Contact:

Mr. Dennis Wint, Director
C.D.E.C, 4284 Center St.
Willoughby, Ohio 44094

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Essence Cards (and other Boulder Group Materials)

The "Boulder" Group, as they are fondly called by those familiar with their work, consists of the American Geological Institute's Earth Science Educational Program which includes the Environmental Studies Project, the Earth Science Teacher Preparation Project and the Earth Science Curriculum Project.

The Address is Box 1559, Boulder, Colo., 80302.

The Earth Science Education Program puts out a free newsletter called "Sensorsheet".

The ESSENCE CARDS are the chief "curriculum material" of this group and this method of environmental education is both innovative and unusual. They can and have been used from Kindergarten through post-high school and offer a variety of creative, imaginative ideas. All we can say is, you have to experience these to believe them. The Environmental Studies Center has a set on file if you wish to peruse them.

* * * * * * *

Group for Environmental Education (GEE), Publisher of:

Yellow Pages of Learning Resources edited by Richard Saul Wurman, Cambridge MIT Press, 1972. $1.95.

An unusual catalogue of learning experiences especially oriented toward the use of out-of-classroom resources.

* * * * * * * *

Institute for Environmental Education

The IEE have been actively involved in training teacher-student teams in water pollution and environmental studies problems. They have produced a Curriculum Activities Guide to Water Pollution and Environmental Studies in two volumes that gives specific guidelines for activities teachers can use. Contact: Mr. Joe Chadbourne
Institute for Environmental Education
2803 Scarborough Rd.
Cleveland Heights, Ohio 44118

* * * * * *

Maine Environmental Education Project

This project was funded through Title III ESEA and offers many different types of assistance including: Environmental Education Resource Center Organization, Environmental Education Committee Organization, Community Environmental Inventory and Identification of Projects and Program Implementation, Testing and Evaluation Information.

Contact: Dean B. Bennett, Project Director
Maine Environmental Ed. Project
Intermediate School - McCartney St.
Yarmouth, Maine 04096

* * * * * * * *

Minnesota Environmental Sciences Foundation, Inc.

This foundation has as its purpose "promoting an ecological understanding to help people make responsible environmental choices." It has produced some excellent results and materials and has many different types of useful resources available. They have programs in Environmental Careers and Community, Environmental Studies, have done fine work in use of wildlife refuges and urban environments and have developed learning experiences that run the gamut between the two.

For information write: Minnesota Environmental Sciences Foundation, Inc.
5400 Glenwood Ave.
Golden Valley, Minn. 55422

* * * * * * *

National Audobon Society

A Place to Live
New York.

This is a workbook type resource for elementary grades.

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NEED (National Environmental Education Development)

A National Park foundation program produced with the cooperation of the National Park Service based on the strand concept. Includes Pupils' books, Teacher's Guides, Pupil's Outdoor Books, and Environmental Education picture packets and teacher's manual.

Information available from: Silver Burdett Co.
General Learning Corporation
Morristown, New Jersey 07960

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Scholastic Earth Corps Awareness Books

A series of elementary school curriculum materials published by Scholastic Book Services, 1971 (workbook format).

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South Carolina Materials
People and their Environment Series
Matthew J. Brennan, ed. 1969.

People and their Environment: Teachers' Curriculum Guide to Conservation Education.

On file: 1 - Grades 1-2-3
2 - Grades 4-5-6
3 - Social Studies Grades 7-8-9

4 - Social Studies Grades 10-11-12
5 - Outdoor Classroom and Camping 1-12
6 - Science Grades 7-8-9

Over a period of four years before the series was finally published in 1969 (J.G. Ferguson Pub. Co., Chicago), the team wrote, reviewed and rewrote the more than 400 lessons in the series, subjected them to tests by some 2,000 teachers, and submitted them to review by departments of education in all 50 states. South Carolina now has made the guides available to all its 93 school districts. (The publisher claimed in 1970 that they were in use in 72,000 classrooms in the country.) Massachusetts was developing its own set of guides based on the South Carolina series.

The series covers eight areas of K-12 education:

- Grades 1-3 (56 lessons)
- Grades 4-6 (80 lessons)
- Science in Grades 7-9 (68 lessons)
Social studies in Grades 7-9 (64 lessons)
- Social studies in Grades 10-12 (54 lessons)
- Home Economics in Grades 9-12 (74 lessons)
- Outdoor laboratory study in all grades (56 lessons)
- Biology in all grades (43 lessons)

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Toledo Public Schools, 1971, Toledo Board of Ed.
Environmental Education Program

A complete description of Toledo's pilot program now operating in 18 schools, includes history, philosophy, and "nuts and bolts" approaches to environmental education in the Toledo System. This is an excellent example of a newly organized comprehensive program. There are sections in the resource book dealing with such items as environmental inventories (on varied topics), guidelines for handling value questions, guidelines for handling controversial issues, and guidelines to consider in effecting social change.

This reference book has now been broken down into its component environmental inventories including such areas as housing, solid waste, water pollution, etc. in Toledo with sections on human resources, field trip opportunities, readings and instructional aids for each inventory topic.

It is localized in focus but gives an excellent method for developing your own environmental education program. For further information contact:

Mr. Mike Teeley, Environmental Ed. Consultant
Toledo Public Schools
Environmental Ed. Program
Manhattan & Elm Sts.
Toledo, Ohio 43608

Toledo also has a well-organized outdoor education program for 6th graders under the direction of Mr. Burt Spice, Outdoor Education Supervisor and a Human Ecology Course taught at the secondary level under the direction of

Miss Eleanor Longbrake, Science Supervisor. Information regarding these programs can be obtained by contacting them at the same address as the environmental education program.

* * * * * * * * *

Total Education in the Total Environment

William Eblen - Director
P.O. Box 113
Wilton, Conn. 06897

The T.E.T.E. materials give a total environment, school, community approach to environmental education. They have many valuable, inexpensive materials available.

Besides their excellent "Now Age Books - Ecology Series" they have such helpful materials as: an aesthetic survey, community survey workshop, and art-related experiences for Social Science, Natural Science and Language Arts. A partial list of their publications follows:

Eblen, William R.
T.E.T.E.: Total Education in the Total Environment.
Hudson River Museum, 1971.
(Introduction to TETE concepts)

NOW AGE BOOKS: Ecology Series (95¢ except The Ecology Primer: $1.25.)

The following books were all published by:

Pendulum Press, Inc.
The Academic Building
Saw Mill Road
West Haven, Conn. 06516

under the direction of William R. Eblen of TETE. John Daller is associate director.

Schwartz, Bert. 1971.
Mist of Death (on pesticides)

Scheibel, M. Barbara.1972.
The Unseen Enemy. (on noise)

Sorvall, Vivian. 1971.
How many are too Many? (on overpopulation)

Sorvall, Vivian. 1971.
Our Troubled Waters. (on water pollution)

Sorvall, Vivian. 1971.
The World's Exhaust. (on air pollution)

Ellison, Vivian. 1972.
The Body Breakers. (on chemical invasion)

Melillo, Jerry M. 1972.
Ecology Primer. (basic ecological interrelationships)

c) Instruction & Curriculum Developments.

Bennett, D. 1969.
Organization and Operation of the Regional Environmental Education Program.
Yarmouth: Yarmouth Public Schools.

Bingham, Alma. 1958.
Improving Children's Facility in Problem Solving.
New York: Bureau of Publications, Teacher's College, Columbia Univ.

Biological Sciences Curriculum Study.
High School Biology (Green Version)
Chicago: Rand McNally, 1963.

Brennan, Matthew J.
People and their Environment: Eight Curriculum Guides.
Chicago: J.G. Ferguson Co. 1969.

Bruner, Jerome.
Toward a Theory of Instruction.
Cambridge, Mass. Belknap Press of Harvard Univ. 1966.

Cox, Benjamin, and B. Massialas, ed.
Social Studies in the United States: A critical Appraisal.
New York: Harcourt, Brace & World, 1967.

Dale, Edgar.
Audio-visual Methods in Teaching.
New York: The Dryden Press, 1964.

Daniels, Phillip Bliss.
Strategies to Facilitate Problem Solving.
Provo, Utah: Brigham Young University, 1964.

DeBernardis, A., D. M. Crossman, and T. E. Miller.
"Media, Technology and IMC Space Requirements"
Audio-Visual Instruction, Feb. 1965. p. 108.

Dentler, Mackler, and Warshauer.
The Urban R's; Race Relations as the Problem in Urban Education.
New York: Frederick A. Praeger, Inc., Pub. 1967.

Edwards, A. L.
Techniques of attitude scale construction.
New York, N.Y.: Appleton-Century-Crofts, 1957.

Gittell, Marilyn.
Educating an Urban Population
Calif. Sage Publications, Inc., 1967.

B. Environmental Overview

1. General References
2. Periodicals and Publications
3. Miscellaneous
   a) Reports, Reprints, etc.
   b) Specific Periodical References

1. Basic Environmental Bibliography

Anderson, Paul K. 1971.
Omega; Murder of the Ecosystem and Suicide of Man.
Wm. C. Brown Co., Dubuque, Iowa.

Benarde, Melvin A.
Our Precarious Habitat.
Norton, $2.95.

Boughey, Arthur S. 1971.
Man and His Environment; an Introduction to Human Ecology and Evolution.
The Macmillan Co.

Boulding, Kenneth, and H. Clark. 1966.
The Human Values on Spaceship Earth.
New York: Council Press.

Bresler, Jack B. 1968.
Environments of Man.
Addison-Wesley, Reading, Mass.

Carson, Rachel. 1962.
Silent Spring.
Fawcett, $1.35.

Commoner, Barry. 1966.
Science and Survival.
Viking, $1.35.

Darling, F. Fraser, and J. P. Milton (ed.) 1966.
Future Environments of North America.
Natural History Press.

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Wiley.

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De Bell, Garrett, comp. 1970.
The Environmental Handbook.
Prepared for the first national environmental teach-in.
New York, Ballantine Books.

Dubos, Rene. 1965.
Man Adapting.
Yale University Press.

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So Human an Animal.
Scribners.

* Ehrlich, A. H., and P. R. Ehrlich. 1970.
Population, Resources, Environment, Issues in Human Ecology.
W. H. Freeman and Co., San Francisco.

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Ehrlich, Paul R., comp. 1971.
Man and the Ecosphere; Readings from Scientific American.
Commentaries by Paul R. Ehrlich, John P. Holdren & Richard W. Holm.
San Francisco, W. H. Freeman.

Ehrlich, Paul R. 1968.
The Population Bomb.
Ballantine, 95¢.

Ehrlich, Paul R., and R. L. Harriman. 1970.
How to be a Survivor.
Ballantine. $1.25.

Faltermayer, E. 1968.
Redoing America.
Macmillan, $1.95.

Fuller, R. Buckminster. 1972.
Operating Manual for Spaceship Earth.
Pocket Books, New York, $1.25.

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Gesteland, Robert C. (ed.) 1970.
Project Survival.
Evanston, Project Survival Press.

Hardin, Garrett, Ed. 1969.
Science, Conflict and Society.
Readings from Scientific American, Freemen.

Hardin, Garrett. 1968.
The tragedy of the commons.
Science, Dec. 13, 1968.:1243-1248.

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A new ethic of responsibility.
Environmental Education, 2 (Spr. 1971):27-28.

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The Environmental Crisis.
Yale University Press.

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Ingraham, Vernon, comp. 1971.
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Boston, Holbrook Press.

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Concepts of Ecology.
Prentice-Hall, $2.95.

Leopold, Aldo. 1949.
The Sand County Almanac.
University Press.

Love, Sam (ed.) 1971.
Earth Tool Kit.
Pocket Books, N.Y., $1.25.

Lowenthal, David, ed. 1967.
Environmental Perception and Behavior.
Research Paper 109. Chicago: Dept. of Geography, Univ. of Chicago.

Mannix, Damel. 1969.
Troubled Waters.
Dutton Press.

Marine, Gene. 1969.
America the Raped.
Simon and Schuster.

Marx, Wesley. 1967.
The Frail Ocean.
Ballantine.

Meadows, Donella H., D. L. Meadows, J. Randers, and W.W. Behrens, III.
E.S.C. The Limits to Growth.
Universe Books, New York, 1972.
From Potomac Associates
1707 L. Street, N.W.
Washington, D.C. 20036.

Moynihan, Daniel P. 1969.
Maximum Feasible Misunderstanding.
Free Press.

Nash, Roderick. 1968.
The American Environment, Readings in the History of Conservation.
Addison-Wesley.

National Staff of Environmental Action. 1970.
Earth Day--the Beginning, A Guide for Survival.
Bantam Books, $1.25.

Odum, E. P. 1963.
Ecology.
Holt, Rinehart and Winston, $3.25.

Osborn, R.
Our Plundered Planet.
Pyramid. 95¢

Rienow, Robert, and L.T. Rienow. 1967.
Moment in the Sun.
Dial Press.

Rudd, R. 1964.
Pesticides and the Living Landscape.
Univ. of Wisc. Press. $1.95

Sax, Joseph L. 1971.
Defending the Environment.
Alfred A. Knopf, N. Y.

Smith, Robert L. 1972.
The Ecology of Man: an Ecosystem Approach.
Harper & Rowe.

Stewart, G.R. 1968.
Not so Rich as you Think.
Houghton-Mifflin.

Storer, J. 1956.
The Web of Life.
Signet, 95¢.

Revelle and Landsberg. 1970.
America's Changing Environment.
Houghton-Mifflin.

* Swatek, Paul. 1970.
The User's Guide to the Protection of the Environment.
Friends of the Earth/Ballantine Book, New York.

Tallian, L.
The Pesticide Jungle.
$1.50.

Task Force on Environmental Health and Related Problems. 1967.
A Strategy for a Liveable Environment.
Dept. of Health, Education & Welfare.

* Toffler, Alvin. 1970.
Future Shock.
New York: Bantam Books.

Udall, Stewart. 1963.
The Quiet Crises.
Holt, Reinhart and Winston.

Udall, Stewart. 1969.
1976: Agenda for Tomorrow.
Holt, Reinhart and Winston.

Wagner, P. 1960.
Human Use of the Earth.
Macmillan, $1.95.

Wagner, Richard H. 1971.
Environment and Man.
W.W. Norton & Co., Inc. New York. $7.50.

2. Periodicals and Indices relating to the Environmental Crisis.

Indices

Pollution Abstracts
Conservation Directory
Water Resources Abstracts

Periodicals

American City
Ecology
Ecology Today
Environment
Environmental Research
Environmental Science and Technology
Journal of Environmental Health
Journal of Human Ecology
Journal of Soil and Water Conservation
The Journal of Wildlife Management
National Wildlife
Natural Resources Journal
Nature
Saturday Review
Science
Scientific American
Water Newsletter

Special Issues of:

Motive. April/May, 1970.
Natural History. July, 1970.
* National Geographic. Dec. 1970.

3. Miscellaneous

a) Reports, Reprints, etc.

* Ehrlich, Dr. Paul.
Eco-Catastrophe.
Reprinted by Planned Parenthood, 515 Madison Ave., New York. 10022.

ENVIRONMENTAL QUALITY, the first annual report of the Council on Environmental Quality.
$1.75, for sale by the Superintendent of Government Documents, U.S. Govt. Printing Office, Washington, D.C. 20402

MAN'S IMPACT ON THE GLOBAL ENVIRONMENT: Assessment and recommendations for action.
Report of the study of critical Environmental Problems. The Massachusetts Inst. of Tech (MIT), 1970.

Marland, S. P. 1971.
Environmental Education cannot wait.
American Education, May 1971, reprint available from U.S. Dept. of Health, Education, Welfare/Office of Ed.

RESTORING THE QUALITY OF OUR ENVIRONMENT
President's Science Advisory Committee, the White House, 1965.

RESOURCES AND MAN
National Academy of Science/National Research Council, W.H. Freeman, 1969.

SMOKING AND HEALTH
Report of the advisory committee to the Surgeon General of the Public Health Service, U.S. Dept. of HEW, Public Health Service Publication No. 1103, $1.25. for sale by the Supt. of Documents.

Toledo Pollution Control Code.
Reprint from Toledo Area Chamber of Commerce
218 Huron St.
Toledo, Ohio 43604.

C. Special Areas of Environmental Concern.

This section includes references, useful resources and sometimes suggestions for investigating the area indicated. It is hoped it will serve as a file basis for your own additional resources and materials. They are color-coded for ease in identification.

1. Air
2. Arts (and environment)
3. Careers
4. Communications (& mass media)
5. Economics
6. Ecosystem
7. Energy
8. Ethics
9. Government
   a) legal issues
   b) politics
10. Humanities
11. Industry
12. Land
    a) agriculture
    b) conservation
    c) geography and geology
    d) natural resources
    e) recreation
13. Life style
14. Noise
    a) industrial
    b) non-industrial
15. Nuclear
16. Outdoor Education
17. People
    a) community
    b) consumerism
    c) employment
    d) health
    e) housing
18. Population
19. Rural
20. Sociology (& social change
21. Transportation
22. Urban
23. Values
24. Waste-recycling
25. Water

PART II. - RESOURCES

Section A - Groups, Agencies, Organizations.

1. Community
2. Government
3. Other

B. - Audio-visuals and Media

C. - Compiled Resource Lists (Bibliographies, film lists, etc.)

D. - Games

E. - Sample Activities

F. - Glossary

G. - Credits

PART II.

Local Sections of the following groups can often supply helpful information, services, tours or speakers:

Chamber of Commerce

Environmental Clearing House

4-H

Health Planning Associations

Industries

Labor Organizations

League of Women Voters

Local Environmental Groups (HURT, ECH, etc.)

Media representatives

Planned Parenthood

Merchant's Associations

Planning Committees

PTA's (or other Parent-Teacher Groups)

Scouts

Service Organizations (Elks, Kiwanis, Knights of Columbus, etc.)

Soil Conservation Service

T.B. and Respiratory Disease Associations

Z.P.G.

Bureau of Land Management
U.S. Dept. of the Interior
Washington, D.C.

Dept. of HEW
National Air Pollution Control Admin.
Office of Public Information
5600 Fishers Lane
Rockville, Md. 20852

Environmental Protection Agency
Water Quality Office, Public Info.
1626 K. St., N.W., Room 702
Washington, D.C. 20460

Food and Drug Administration
Dept. of HEW
Washington, D.C. 20250

Great Lakes Basin Commission
City Center Building
220 East Huron St.
Ann Arbor, Michigan 48108

Ohio Department of Agriculture
State Dept. Building
Columbus, Ohio 43215

Ohio Dept. of Health
P. O. Boc 118
Columbus, Ohio 43216

Ohio Dept. of Natural Resources
Environmental Ed. Coordinator
907 Ohio Depts. Building
Columbus, Ohio 43215

Ohio Environmental Protection Agency
450 E. Town St.
Columbus, Ohio 43216

Ohio Division of Wildlife
1500 Dublin Rd.
Columbus, Ohio 43212

Ohio Soil and Water Conservation
Commission
801 Ohio Departments Building
COlumbus, Ohio 43215

Pesticide Regulation Division
Agricultural Research Service
U.S. Dept. of Agriculture
Washington, D.C. 20350

U.S. Dept. of HEW
Public Health Service
Environmental Health Service
Washington, D.C. 20201

U.S. Dept. of Interior
Federal Water Pollution Control
Adm.
633 Indiana Ave., N.W.
Washington, D.C. 20242

Local elected and appointed officials such as: Safety & Service Directors, Zoning & Building Commissioners, Park and Recreation Officials, etc.

3. Action Groups and PUBLICATIONS

Air Pollution Control Assoc.
J. OF THE AIR POLLUTION CONTROL ASSOC.
4400 Fifth Ave.
Pittsburgh, Pa. 15213

American Association for Conservation Information
THE BALANCE WHEEL
c/o Mr. Russell McKee
Dept. of Natural Resources
Lansing, Mich. 48926

Berkeley Ecology Center
2179 Allston Way
Berkeley, Cal. 94704

Citizens Committee on Natural Resources
1346 Connecticut Ave., N.W.
Washington, D.C.

Citizens' Committee for Clean Water (CCCW)
105 E. 22 St., Room 710
New York, N.Y. 10010

Citizens for Clean Air
40 W. 57 St.
New York, N.Y. 10019

Citizen's Revolt against Pollution (CRAP)
4636 N. Central Park
Chicago, Ill. 60625

Defenders of Wildlife
DEFENDERS OF WILDLIFE NEWS
2000 N St., N.W.
Washington, D.C. 20036

Ecological Dimensions Inc.
ECOLOGY TODAY
P.O. Box 180
West Mystic, Connecticut 06388

Ecological Task Group
475 Riverside Drive (5th Floor)
New York, N.Y. 10027

Environmental Action, Inc.
ENVIRONMENTAL ACTION
Rm. 200
2000 P. St., N.W.
Washington, D.C. 20036

Environmental Defense Fund
P.O. Drawer 740
Stonybrook, N.Y.

The Environmental Law Institute
THE ENVIRONMENTAL LAW DIGEST
THE ENVIRONMENTAL LAW REPORTER
Suite 620
1346 Connecticut Ave., N.W.
Washington, D.C. 20036

Environmental Resources, Inc.
Rm. 200
2000 P St., N.W.
Washington, D.C. 20036

Friends of the Animals
ACTIONLINE
11 W. 60 St.
New York, N.Y. 10023

Friends of the Earth
MUIR AND FRIENDS
30 E. 42 St.
New York, N.Y. 10017

League of Ohio Sportsmen
2404 Cleveland Ave.
Columbus, Ohio 43211

League of Women Voters (LWV)
THE NATIONAL VOTER
1730 M St., N.W.
Washington, D.C. 20036
(and local chapters)

Izaak Walton League (IWL)
1326 Waukegon Rd.
Glenview, Ill. 60025

The National Association of Conservation Districts (NACD)
TUESDAY LETTER
Vermont Ave., N.W.
Washington, D.C. 20005

National Audubon Society
AUDUBON
AUDUBON FIELD NEWS
1130 5th Ave.
New York, N.Y. 10028

National Parks and Conservation Assoc.
1701 18 St., N.W.
Washington, D.C. 20009

National Wildlife Federation (NWF)
CONSERVATION NEWS
CONSERVATION REPORT
1412 16 St., N.W.
Washington, D.C. 20036

The Ohio Academy of Science
OHIO J. OF SCIENCE
505 King Ave.
Columbus, Ohio 43201

Ohio Chapter
The Nature Conservancy
260 Ludlow Ave.
Cincinnati, Ohio 45220

Ohio Forestry Assoc.
Neil House
Columbus, Ohio 43215

Ohio Parks and Recreation Assoc.
222 E. Central Parkway
Cincinnati, Ohio 45202

Outdoor Writers Assoc. of America
OUTDOORS UNLIMITED
Outdoors Building
Columbia, Mo. 65201

Planned Parenthood
515 Madison Ave
New York, N.Y. 10022
Bibliography, film guide and reprints.

Population Crisis Committee
POPULATION CRISIS
1730 K St., N.W.
Washington, D.C. 20006

Population Reference Bureau
1775 Massachusetts Ave., N.W.
Washington, D.C. 20036

Scientists' Institute for Public Information
ENVIRONMENT
SIPI REPORT
30 E. 68 St.
New York, N.Y. 10021

Sierra Club
SIERRA CLUB BULLETIN
1050 Mills Tower
San Francisco, Cal. 94104

Superintendent of Documents
Government Printing Office
Washington, D.C. 20402
Write for publications related to specific interest areas.

Water Pollution Control Federation
J. WATER POLLUTION CONTROL FED.
HIGHLIGHTS
DEEDS & DATA
3900 Wisconsin Ave.
Washington, D.C. 20016

The Wilderness Society
THE WOLDERNESS REPORT
THE LIVING WILDERNESS
729 Fifteenth St., N.W.
Washington, D.C. 20005

Zero Population Growth, Inc. (ZPG)
NATIONAL REPORTER
367 State St.
Los Altos, Cal. 94022

B. Audio Visuals and Media

FILMS:

Air of Disaster

50 Min - color. National Medical Audio-Visual Center.
Presents research on auto exhaust emissions and their effect on animals, plants and humans, through a visit to U.S. Public Health Service Air Pollution Laboratory.

Air Pollution

35 Min - B&W - $35.00. Contemporary Films/McGraw-Hill. An ABC project. An important examination of the critical nature of the air pollution problems and a survey of the measures taken to remedy the situation.

A Matter of Attitudes. (National Medical Audiovisual Center) #M-1530-X

30 min - color - 16 mm. Canadian Council of Resource Ministers, Montreal, Quebec. 1967. An unusual presentation of scenes of interviews with people from all walks of life on the problem of pollution.

Changing City.

Color - 16 mm. Boston Univ., USC, Indiana University, A critical look at the growth of the metropolis and its effect on the lives of people. Surveys the historical pattern of growth and its implications. Discusses the suburban problems of proper land use, transportation and isolation; the core city problems and the automobile, slums, urban renewal and population density.

Cities in Crisis.

22 min - color. Extension Media Center. $13.00. Universal. Focuses on the frenetic pace of city living in a city with unplanned growth. It explores the urban scene through an engrossing collage that looks at the beauty and ugliness of the urban environment. The sound track carries compelling music but no narration.

Conservation Vistas.

14½ min - color. Environmental Film Service. $5.00. Presents classroom and outdoor activities that add interest to the teaching of conservation. Teachers are introduced to a wide variety of conservation experiences - from those found in their everyday environment to the more ambitious programs of school forests and school conservation camps.

Crisis on the Kanawha.

20 min - color. Stuart Finley, Inc. Deals with water pollution, today's greatest threat to the nation's domestic and industrial water supply. Shows sources of man-made pollution and some methods of eliminating it. Points out government responsibility in this matter and industry's obligation to control pollution.

First Mile Up

28 min - B&W. McGraw-Hill Testfilms. This film deals with the problems of air pollution and its effects on human health. The greater Toronto and Los Angeles areas are used as examples of urban situations where detailed studies are being made and measures have been instituted to alleviate atmospheric contamination. Radioactive fallout is also discussed as a cause of air pollution.

The Forgotten River.

25 min - color. WCBS-TV for Eastern Air Lines. American Film Institute. Five men who lived their lives in close contact with the Hudson River - a naturalist, a fisherman, an historian, a writer, a planner and a health officer - reminisce about the river's changes to gain perspective on man's successes in living with his environment.

Green City.

23 min - color. Stuart Finley Films. This film shows the difference between cities where careful planning and conservation have provided parks and other open and green spaces and cities which have suffered from having no planning. Problems of conservation are thoughtfully discussed and actual positive solutions are offered.

Man's Problem.

19 min - color. Encyclopedia Britannica Films.
A sequel to the film Nature's Plan (explanation of the mechanics of the water cycle), this film makes amazingly clear our absolute dependence on an adequate supply of clear, fresh water. It describes our increasingly serious water shortage problem and outlines the steps that must be taken if water is to be made available in the future for our increasing population and expanding industry.

Multiply and Subdue the Earth. (Indiana Univ. #CSC-1979)

A sometimes sarcastic, tongue-in-cheek presentation of the ecological problems western man has created for himself and the biosphere by certain unsound land use practices. Unlike many films, books, and lectures today, meaningful alternatives are presented to what are fast becoming totally indefensible practices. Emphasis is also given to the concept of man as a biological organism which should and must live in harmony with its evolutionary history.

1985, A News Dramatization.

56 min - color. CCM Films. $35.00
A fictionalized newscast, produced by professional television newsmen, to dramatically underscore to an apathetic nation the ever-increasing total devastation of the environment.

Noise: The New Pollutant.

30 min - B&W. NET Film Service, Audio-visual Service, Indiana Univ.
Reports on research into harmful effects of noise on human beings.

No Room for Wilderness?

26 min - color. Sierra Club Films (Association Films, Inc.)
A population/ecology film, primarily based on African materials.

Poisoned Air

50 min - B&W - color. Carousel Films.
Survey of the rapidly growing menace of air pollution through the world, especially in the U.S. cities. Economic factors and several successful programs initiated in large U.S. cities are discussed.

Problems of Conservation: Air Pollution

15 min - color. Encyclopedia Britannica.
This documentary lists the health problems posed by air pollution, tells the steps which are being taken to correct them, gives a history of the industrial revolution as it relates to air contamination and considers alternatives to combustion power.

The River.

32 min. $6.60 - 1939. Pennsylvania State Univ. Film Rentals.
Life of Mississippi River Valley during the past 150 years.

The River Must Live.

21 min - FREE. Shell Oil Co.
Effects of pollutants on river, some manageable by the river, some not. Shows biochemical effect (microphotography) and discusses pollution abatement.

The Run-Around. (National Medical Audiovisual Center)

11 min - color. 16 mm. National TB and Respiratory Disease Assoc.
Adventures of our average man who, while determined to track down the sources of air pollution, discovers he too is part of the vast Run-Around.

SIERRA CLUB FILMS

The Grand Canyon - 26 min - color - free.

Glen Canyon - 29 min - color - free.

Oil! Spoil? - 17 min - color

Miner's Ridge - 22 min - color - free.

Redwoods - saved? - 3½ min - color - free.

Litterbug - 10 min - color - $10. CCM Films. Teaching a young boy how not to be a litterbug.

The Third Pollution.

23 min - color. Stuart Finley, Inc. The problems of collecting and disposing of today's huge quantities of refuse, garbage, and other solid wastes. Outlines the technology of solid waste disposal, illustrating the various alternatives available to municipalities also trying to curb air pollution.

Timber Tigers.

23 min - color. Borba Films.
Examines the record of the lumber industry from its beginning to the present day. What happened to the original forests? Is the present rate of cutting reckless and irresponsible?

The Trouble with Trash.

28 min - color. Environmental Film Service. $5.00.
The amount of refuse produced in the U.S. is becoming a tremendous problem. This film vividly shows what can be done to solve this problem.

U.S.A.: Time for Decision.

60 min - B&W. NET Film Service.
Analyzes the population trend in the U.S. from colonial days to the present and focuses on the "baby boom" following WW II. Explores the problems of crowded living conditions, poverty, overcrowded schools and civilian unemployment, increasing crims, and over-taxed resources and recreational facilities.

Will the Gator Glades Survive?

30 min. Our Vanishing Wilderness series. Purdue Univ.
A visit to the Florida Everglades reveals how that famed wildlife region is threatened with destruction because of man's tampering with the natural water system. Special attention is given to the alligator which is being threatened by poaching as well as dried up "gator" holes during the dry seasons.

Wealth of the Wasteland.

27 min - FREE. Motion Pictures, Bureau of Mines.
Story of research to recycle waste minerals and metals from domestic trash, discarded automobiles and refuse generated in mining and processing minerals.

With Such as These.

17 min - 16 mm. Purchase: $100.00; Rental: $17.50. (Rental applicable to purchase price) This film focuses dialog for problem-solving on the question: Where do you begin with the student who has low self-esteem, who doesn't want to learn, who is turned off by school? The film provides an excellent beginning to any discussion, seminar, workshop, consultation, etc., concerned with development of the affective domain. (Center for Curriculum Design, Evanston, Ill.)

The World Around Us.

25 min - color. McGraw-Hill Films. $16.00. #672406
An introduction to the science of Ecology; what it is and why it is so necessary to understand it in order to take effective action against pollution.

AGENCIES OFFERING FREE FILMS

Public Libraries

U.S. Dept. of Agriculture
Motion Picture Service
Office of Information
Washington, D.C. 20250

Bureau of Sport Fisheries and Wildlife
Federal Building
Fort Snelling
Twin Cities, Minnesota 55111

Modern Talking Picture Services, Inc.
160 E. Grand Ave.
Chicago, Ill. 60611

Motion Pictures
Bureau of Mines
4800 Forbes Ave.
Pittsburgh, Pa. 15213

National Medical Audiovisual Center
Station K
Atlanta, Georgia 30324

Shell Oil Co. Film Library
450 N. Meridian
Indianapolis, Indiana 46204

Soil Conservation Service (local & regional)
Motion Picture Library
USDA - Soil Conservation Service
7600 West Chester Pike
Upper Darby, Pa. 19082

U. S. Dept of Agriculture
Office of Information - Motion Picture Service
Washington, D.C. 20250

FILMSTRIPS

Conservation - Your Stake in the Future.

Color. The filmstrip discusses how we might conserve our natural resources and what happens if we don't. Popular Science Audio-Visuals, Inc., Times Mirror, 5235 Ravenswood Ave., Chicago 60640. Cat. #795.

Interdependence of Living Things.

Color. A series of six filmstrips showing the basic principles of field ecology and their application to specific environments. Titles are: 1) Introduction to Ecology; 2) The Web of Life; 3) Animal and Plant Communities: Forest; 4) Animal and Plant Communities: Field; 5) Animal and Plant Communities: Pond; 6) Animal and Plant Communities: City. McGraw-Hill Films, A Division of McGraw-Hill Book Co., 327 W. 41 St., New York, N.Y. 10036. Cat #405 590.

It's Our Choice.

Sound & Color. A filmstrip describing recycling and the reuse of recycled materials. Infovision Inc., 119 White Plains Road, Bronxville, N.Y. 10708.

Unlimited Wants - Limited Resources.

Color. Explores how the American economy works, and looks at ways of closing the gap between limited resources and unlimited wants in the U. S. and other parts of the world. Popular Science Audio-Visuals, Inc., Times Mirror, 5235 Ravenswood Ave., Chicago 60640. Cat #827.

Using Natural Resources.

Color. A filmstrip series designed to help students understand their environment - to help them see that resources are not infinite and that although science can help in some cases, there are no substitutes for clean air and water. Titles are 1) The Demand; 2) The Supply; 3) Balancing the Supply and Demand. Encyclopedia Britannica Educational Corp., 425 N. Michigan Ave., Chicago 60611. Cat #9160.

Environmental Pollution: Our World in Crisis.

Color. A series of six filmstrips designed to explore the nature of the pollution problem and some of its consequences. Titles are: 1) Nature of the Crisis; 2) Atmospheric Pollution; 3) Land Pollution; 4) Freshwater Pollution; 5) Marine Pollution; 6) Pollution Control. Ward's Natural Science Establishment, Inc., P.O. Box 1712, Rochester, N.Y. 14603. Cat. #70 W 3800.

Man and the Biosphere Series

Titles: 1) Man the Dominant Species; 2) Man the Gregarious; 3) Man the Multiplier; 4) Man and Hunger; 5) Man the Organizer; 6) Man and Tomorrow. From Ward's Natural Science Establishment, Inc., P.O. Box 1712, Rochester, N.Y. 14603.